

BY: \$USERNAME\$

BORDER REV. DATE: June 1, 2004

PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of existing Traffic Control Signals (pedestrian signals and pushbuttons) at the intersections of: MD 45 and Pennsylvania Avenue, MD 45 and Chesapeake Avenue & MD 45 and Towsontown Boulevard in Baltimore County. MD 45 (York Road) is assumed to run a north-south direction.

II. INTERSECTION OPERATION

The phasing operation at each of the three intersections shall not be changed. The existing semi-actuated eight-phase controller and NEMA cabinet shall be utilized at each of the three locations.

MD 45 and Pennsylvania Avenue

- The existing pedestrian signals across the north and south legs of MD 45 shall be replaced with 16" LED countdown pedestrian signals. The existing pedestrian signals across the east and west legs of Pennsylvania Avenue shall remain the same.

MD 45 and Chesapeake Avenue

- The existing pedestrian signals across the north and south legs of MD 45 shall be replaced with 16" LED countdown pedestrian signals. The existing pedestrian signals across the east and west legs of Chesapeake Avenue shall remain the same.

MD 45 and Towsontown Boulevard

- The existing pedestrian signals and pushbuttons across the north and south legs of MD 45 shall be replaced with 16" LED countdown pedestrian signals and new pushbuttons. The existing pedestrian signals across the east and west legs of Towsontown Boulevard shall remain the same. The existing left 3-head vehicular signal intended for eastbound traffic shall be replaced with a 5-head vehicular signal. The existing cable shall be reused. Add a R10-12 sign for the eastbound approach.

III. SPECIAL NOTES

- The Contractor shall be responsible for terminating all signal cables, excluding interconnect, to the appropriate terminals and shall properly label each cable.
- All controller cabinet wiring will be performed by the S.H.A. Signal Shop. Contact Mr. Ed Rodenhizer at (410) 787-7650 seventy-two hours in advance of intended work.
- All underground and overhead utilities shown on these plans are schematic only and may not be complete. The Contractor shall be responsible for notifying Miss Utility prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal will occur, the Contractor shall notify the Project Engineer immediately so that the conflict may be resolved.

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY S.H.A..

THERE IS NO EQUIPMENT TO BE SUPPLIED BY THE SHA.

1571-8000- Furnish R10-12 sign (36" x 42") 11 SF

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

ITEM NO.	DESCRIPTION	QUANTITY
1001	Maintenance of traffic per assignment.	1 EA
5003	Furnish and install 12" heat applied white permanent preformed thermoplastic pavement markings.	1860 LF
5004	Furnish and install 24" heat applied white permanent preformed thermoplastic pavement markings.	210 LF
5005	Removal of existing permanent pavement line markings - any width.	2070 LF
8000	Furnish and install 16" 1 Way LED Countdown Ped. Signal	12 EA
8011	Furnish and install pushbutton and sign.	4 EA
8013	Remove and dispose of existing material and equipment per assignment.	1 EA
8022	Relocate ground mounted sign.	17 SF
8047	Install Overhead Sign	11 SF
8056	Furnish & install 12" Vehicular Traffic Signal Head Section	5 EA

C. EQUIPMENT TO BE REMOVED

All removed signal materials are to become property of the Contractor.

MD 45 (YORK ROAD) AND PENNSYLVANIA AVENUE

PHASE CHART

THERE IS NO CHANGE TO THE PHASING CHART

MD 45 (YORK ROAD) AND CHESAPEAKE AVENUE

PHASE CHART

THERE IS NO CHANGE TO THE PHASING CHART

MD 45 (YORK ROAD) AND TOWSONTOWN BOULEVARD

PHASE CHART

~~THERE IS NO CHANGE TO THE PHASING CHART~~

(SEE BELOW)



MD 45 (YORK ROAD) AND PENNSYLVANIA AVENUE

WIRING DIAGRAM

THERE IS NO CHANGE TO THE WIRING DIAGRAM

MD 45 (YORK ROAD) AND CHESAPEAKE AVENUE

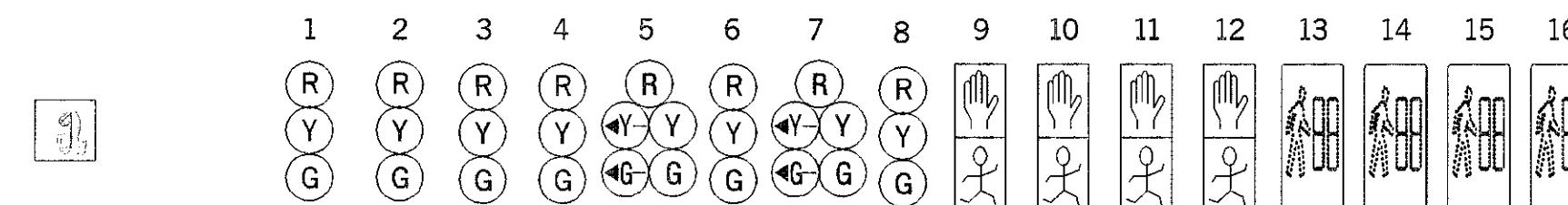
WIRING DIAGRAM

THERE IS NO CHANGE TO THE WIRING DIAGRAM

MD 45 (YORK ROAD) AND TOWSONTOWN BOULEVARD

WIRING DIAGRAM

THERE IS NO CHANGE TO THE WIRING DIAGRAM



PHASE 2 AND 6	G	G	G	G	R	R	R	R	WK	WK	WK	WK	DW	DW	DW	DW	
PED CLEARANCE	G	G	G	G	R	R	R	R	FLDW	FLDW	FLDW	FLDW	DW	DW	DW	DW	
2 AND 6 CHANGE	Y	Y	Y	Y	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW	
PHASE 3 AND 7	R	R	R	R	+GG	R	+GG	R	DW	DW	DW	DW	DW	DW	DW	DW	
7 CHANGE	R	R	R	R	+YG	R	+YG	R	DW	DW	DW	DW	DW	DW	DW	DW	
PHASE 3 AND 8	R	R	R	R	+GG	G	R	R	DW	DW	DW	DW	DW	DW	DW	DW	
3 AND 8 CHANGE	R	R	R	R	+YG	G	R	R	DW	DW	DW	DW	DW	DW	DW	DW	
PHASE 4 AND 7	R	R	R	R	R	R	+GG	G	DW	DW	DW	DW	DW	DW	DW	DW	
7 CHANGE	R	R	R	R	R	R	+YG	G	DW	DW	DW	DW	DW	DW	DW	DW	
PHASE 4 AND 8	R	R	R	R	G	G	G	G	DW	DW	DW	DW	WK	WK	WK	WK	
PED CLEARANCE	R	R	R	R	G	G	G	G	DW	DW	DW	DW	FLDW	FLDW	FLDW	FLDW	
4 AND 8 CHANGE	R	R	R	R	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW	DW	DW	
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK	

The contact persons for District #4 are as follows:

Randall Scott, Assistant District Engineer - Traffic, 410-321-2781
Daniel Witt, Assistant District Engineer - Construction, 410-321-2821
Steve Marciszewski, Assistant District Engineer - Maintenance, 410-321-2761
Suenette Pope, Utility Engineer, 410-321-2841
Richard L. Daff, Sr., Chief Traffic Operations Division, 410-787-7630
Edward D. Rodenhizer, Chief Signal Operations, 410-787-7652

BAI BRUDIS & ASSOCIATES, INC.
CONSULTING ENGINEERS
9220 RUNSEY ROAD SUITE 110
COLUMBIA, MARYLAND 21045
410-884-3607 410-884-3609(FAX)

REDLINE REVISION #1 6/1/05

SHA STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION	
MD 45 (YORK ROAD) - PEENSYLVANIA AVE, CHESAPEAKE AVE & TOWSONTOWN BLVD GENERAL INFORMATION SHEET	
SCALE 1" = 20'	DATE 3/3/05 6/1/05
CONTRACT NO. AT6045185	
DESIGNED BY CJP	COUNTY BALTIMORE
DRAWN BY CJP	LOGMILE 01.86 TO 02.78
CHECKED BY RJM	T.I.M.S. NO.
F.A.P. NO.	TDS NO.
DRAWING NO.	OF
SHEET NO. 4 OF 4	

STRUCTURE
INVENTORY NO.

SURVEY
BOOK NO.

PLOTTED: \$DATE\$
FILE: \$FILE\$